

Appln. No. 10/726,179
Amdt. Dated October 13, 2005
Reply to Office Action of
April 18, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-27 (Cancelled)

Claim 28 (Currently Amended) A thin film partially transparent photovoltaic module having a transmission of light of at least about five percent comprising series connected cells, at least one ~~amorphous~~ semiconductor layer, a metal contact layer, and interconnects connecting the series-connected cells, the module comprising a plurality of laser scribes at least through the metal contact layer positioned in a direction that crosses the direction of the interconnects and wherein the laser scribes provide for the partial transparency of the photovoltaic module.

Claim 29 (Original) The module of Claim 28 wherein each scribe has a width of about 0.01 to about 0.5 mm.

Claim 30 (Original) The module of Claim 29 wherein each scribe has a width of about 0.05 to about 0.2 mm.

Claim 31 (Original) The module of Claim 30 wherein the scribes are spaced from each other about 0.5 to about 5 mm.

Claim 32 (Currently Amended) The module of Claim 28 having a transmission of light of at least about 10 percent.

Claim 33 (Currently Amended) The module of Claim 28 having a transmission of light of least about 20 percent.

Claim 34 (Original) The module of Claim 28 wherein the scribes are in the form of connected holes.

Claim 35 (Original) The module of Claim 34 wherein the holes are round and have a diameter of about 0.01 to about 0.2 mm.

Claim 36 (Currently Amended) The module of Claim 28 further comprising bus bars located adjacent to the first and last cells in the module and wherein the

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laser scribes extend across the surface of the photovoltaic module but not including the bus bars.

Claims 37-40 (Cancelled)

Claim 41 (Original) A window comprising the photovoltaic module of Claim 28.

Claim 42 (Original) Sun screens and canopies comprising the photovoltaic modules of Claim 28.

Claim 43 (Original) The photovoltaic module of Claim 28 wherein the scribes are grouped in bands of closely spaced scribe lines separated by bands having few or no scribes.

Claim 44 (Original) The photovoltaic module of Claim 28 wherein the distance between at least a portion of the scribes is graded.

Claims 45 -48 (Cancelled)

Claim 49 (New) The photovoltaic module of Claim 28 wherein the semiconductor layer comprises amorphous silicon.

Claim 50 (New) The photovoltaic module of Claim 28 wherein the laser scribes are formed by a visible layer.

Claim 51 (New) The photovoltaic module of Claim 50 wherein the laser is a green laser.

Claim 52 (New) The photovoltaic module of Claim 50 wherein the laser is one or more of a frequency doubled Nd-YAG, Nd-YLF or Nd-YVO₄ laser.